

ATTACHMENT 1
ENGLISH LANGUAGE ABSTRACT FOR DE 100 57 848 (Cited by Applicants)

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L1: Entry 1 of 2

File: DWPI

May 23, 2002

DERWENT-ACC-NO: 2002-445512
DERWENT-WEEK: 200248
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TITLE: Reactance filter e.g. for radio communications terminal, has at least one surface wave filter replaced by resonator cascade

INVENTOR: JAKOB, M; MEISTER, V ; RITTER, W

PATENT-ASSIGNEE:

ASSIGNEE

CODE

EPCOS AG

EPCON

PRIORITY-DATA: 2000DE-1057848 (November 22, 2000)

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PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|--------------|----------|-------|------------|
| <input type="checkbox"/> DE 10057848 A1 | May 23, 2002 | | 014 | H03H009/64 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|---------------|-------------------|----------------|------------|
| DE 10057848A1 | November 22, 2000 | 2000DE-1057848 | |

INT-CL (IPC): [H03 H 9/25](#); [H03 H 9/64](#)

ABSTRACTED-PUB-NO: DE 10057848A
BASIC-ABSTRACT:

NOVELTY - The reactance filter is provided by a surface wave filter with a serial and/or parallel path containing at least one surface wave resonator having an interdigitated transducer. At least one surface wave resonator is replaced by a resonator cascade with a number of resonators (R1,R2) connected in series, provided with the same impedance as the surface wave resonator.

USE - The reactance filter can be used for a duplexer for a radio communications terminal.

ADVANTAGE - The reactance filter has a minimum surface area requirement and a reduced parasitic effect.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic representation

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| | <i>DB=DWPI; PLUR=YES; OP=ADJ</i> | | |
| <input type="checkbox"/> | L7 | L6 and (overlap\$ near3 (finger or electrode or idt or interdigit\$)) | 99 |
| <input type="checkbox"/> | L6 | (surface acoustic wave or surface wave or saw or elastic wave or acoustic wave) and (interdigit\$ or idt or electrode) and (finger or electrode) and overlap\$ | 158 |
| | <i>DB=JPAB; PLUR=YES; OP=ADJ</i> | | |
| <input type="checkbox"/> | L5 | (surface acoustic wave or surface wave or saw or elastic wave or acoustic wave) and (interdigit\$ or idt or electrode) and (finger or electrode) and overlap\$ | 89 |
| | <i>DB=USPT; PLUR=YES; OP=ADJ</i> | | |
| <input type="checkbox"/> | L4 | L2 and (interdigit\$ with (electrode or finger) with overlap\$) | 63 |
| <input type="checkbox"/> | L3 | (surface acoustic wave or surface wave or elastic wave or acoustic wave and resonator and interdigit\$) | 12346 |
| <input type="checkbox"/> | L2 | L1 and resonator and interdigit\$ | 997 |
| <input type="checkbox"/> | L1 | surface acoustic wave or surface wave or elastic wave or acoustic wave | 21005 |

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| | | <i>DB=JPAB; PLUR=YES; OP=ADJ</i> | |
| <input type="checkbox"/> | L7 | L6 and (busbar or bus bar) | 12 |
| <input type="checkbox"/> | L6 | L3 and (mode near2 (double or dual or multiple or multi)) | 145 |
| <input type="checkbox"/> | L5 | L3 and (vertical with coupl\$) | 20 |
| <input type="checkbox"/> | L4 | L3 and (transvers\$ with coupl\$) | 11 |
| <input type="checkbox"/> | L3 | L2 and (filter or resonator) | 3880 |
| <input type="checkbox"/> | L2 | surface acoustic wave or acoustic wave or surface wave or elastic wave or saw | 22168 |
| | | <i>DB=DWPI; PLUR=YES; OP=ADJ</i> | |
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